

# Product Datasheet

## beta Amyloid [Pyro Glu11] Antibody - Azide and BSA Free NBP1-44070

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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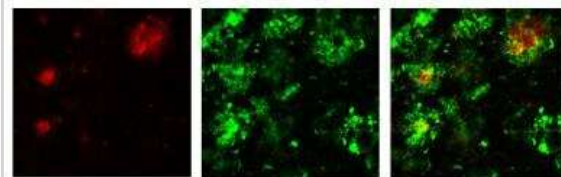
**NBP1-44070**

beta Amyloid [Pyro Glu11] Antibody - Azide and BSA Free

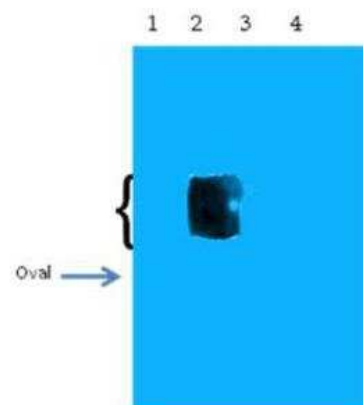
<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 30% Glycerol
<b>Product Description</b>	
<b>Description</b>	<p>This antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	351
<b>Gene Symbol</b>	APP
<b>Species</b>	Human, Drosophila, Primate
<b>Reactivity Notes</b>	Drosophila reactivity reported in scientific literature (PMID: 26208119)
<b>Specificity/Sensitivity</b>	This antibody is specific to the N-terminus 11-pyro E start point.
<b>Immunogen</b>	beta Amyloid [Pyro Glu11] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the N-terminus 11-pyro E start point of human beta Amyloid. (Uniprot: P05067)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.2 ug/ml, ELISA 1:20000-1:60000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoassay
<b>Application Notes</b>	<p>This product has been tested by western blot and is useful for ELISA, Western Blot and Immunostaining. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~86.9kDa corresponding to the appropriate cell lysate or extract.</p> <p>Use in Immunoassay reported in scientific literature (PMID: 26208119).</p>

## Images

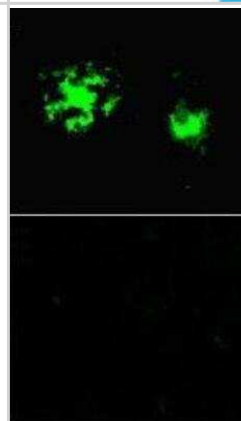
Immunohistochemistry: beta Amyloid [Pyro Glu11] Antibody [NBP1-44070] - beta-amyloid (pyroglu11) NBP1-44070 in red (left) co-labeled with 6E10 in green (middle) and merge (right). Image from verified customer review.



Western Blot: beta Amyloid [Pyro Glu11] Antibody [NBP1-44070] - Lane 1: Ovalbumin Control. Lane 2: beta Amyloid pyro E11 peptide. Lane 3: beta Amyloid 11 peptide. Lane 4: beta Amyloid pyro E3 peptide. Load: 1 ug per lane. Primary antibody: Beta Amyloid pyro E11 antibody at 0.2ug/mL for overnight at 4C. Secondary antibody: IRDye800 rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 86.9 kDa for beta Amyloid pyro E11 peptide.



Immunohistochemistry: beta Amyloid [Pyro Glu11] Antibody [NBP1-44070] - Laser scanning confocal microscopy was carried out using human tissue sections from frontal cortex. Figure A shows an example section that was immunostained for the presence of pyrE11Abeta (green). Figure B shows that the immunogen peptide completely blocked the NBP1-44070 antibody.



## Publications

Jonson M, Pokrzywa M, Starkenberg A et al. Systematic Ab Analysis in Drosophila Reveals High Toxicity for the 1-42, 3-42 and 11-42 Peptides, and Emphasizes N- and C-Terminal Residues PLoS ONE. 2015-07-25 [PMID: 26208119] (IA, Drosophila)

Youssef I, Florent-Bechard S, Malaplate-ArmC, Koziel V, Bihain B, Olivier JL, Leininger-Muller B, Kriem B, Oster T, Pillot T. N-truncated amyloid-beta oligomers induce learning impairment and neuronal apoptosis. Neurobiology of Aging 29 1319-1333. 2008 [PMID: 17459527]

Schilling S, Lauber T, Schaupp M, Manhart S, Scheel E, Bohm G, Demuth HU. On the seeding and oligomerization of pGlu-amyloid peptides (in vitro). Biochemistry;45(41):12393-9. 2006 Oct 17. [PMID: 17029395]



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### **Products Related to NBP1-44070**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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